

## **ANALYZER MULTICHANNEL (NEEDS START-UP)**

**MANUFACTURER: ADVANCED MEASUREMENT TECH**

**Manufacturer Model# DigiDart**

**Manufacturer's PHONE: (865) 482-4411 FAX: (865) 483-0396**

**Manufacturer's Website: <http://www.ortec-online.com>**

**Item Web Link:**

**<http://www.ortec-online.com/download.aspx?AttributeFileId=1d2081ad-f50f-481c-88a6-36ca40f201b1&x230=page=2>**

**AAC 'L' ITEM NSN 6640-01-541-2298**

**UAs: 219B**

**USAMMA POC: Customer Relationship Management 301-619-1288/4301 - DSN 343-1288/4301**

**UNIT PRICE: \$25,357.50**

**System Description:** Weighing less than 1160 grams, the DigiDART is an attractive, light-weight instrument; easy to handle, and RUGGED. The case is molded ABS — the same strong plastic used extensively in automobiles. The outside is coated with a shock-absorbing, easy-grip, stay-clean coating — just like your other tools. The display and keypad are recessed to protect them when the instrument is dropped. The connectors are all on one side and recessed for protection. The battery is inside — again for added protection and covered with a splash-proof door. It can be charged in place, even when the DigiDART is operating. The battery is truly integrated into the rugged DigiDART and not simply clipped on the back panel; exposed and easy to break. Changing the battery is simple: just open the door and replace.

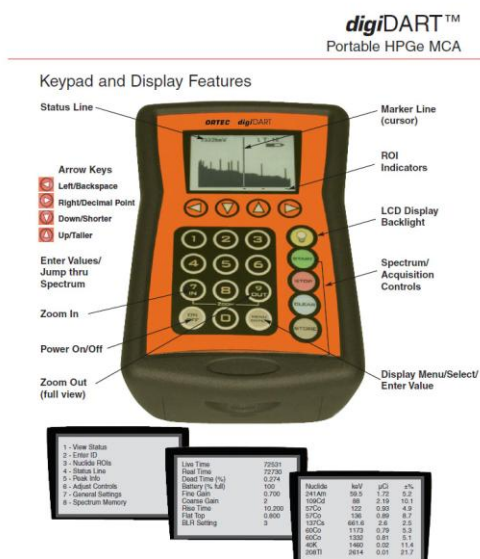
Naturally, the DigiDART is entirely computer controllable; but with the built-in display and numeric keypad, it is a DRAMATIC ADVANCE from the current generation of portable MCAs. This high-quality display and easy to use keypad mean it can perform a variety of tasks without an attached PC. For in-field applications, a PC is difficult to carry and operate, but without a display you can't see the spectrum or results. The DigiDART's built-in, backlit LCD display panel and keypad provide the confidence you need that your data is good. A clear spectral display is provided and start/stop control is accomplished simply by a single keypad entry. The spectral Display of the DigiDART is patterned after ORTEC's very successful MAESTRO-32 MCA Emulator (ask for the MAESTRO-32 brochure), in use on thousands of systems worldwide. A 240 x 160 pixel LCD display allows the user to monitor acquisitions and instrument settings status, with no attached PC. It features a live spectral display with region of interest, peak information and on line activity calculations. ROI's are shown as a bar below the spectrum.

**Features:** The DIM-296 option is an alternative to the DIM-POSNAI for NaI detectors with a standard 14-Pin base. The DIM-296 is a 296 ScintiPack with a single cable connection, ten feet in length for direct connection to the instrument.

- For scintillation detectors employing 10-stage PMTs that fit standard 14-pin sockets
- Convenient, single-cable connection direct to instrument
- Internal, adjustable, high-voltage bias supply eliminates high-voltage cables
- Active bias network minimizes peak shifts at high counting rates
- Low power consumption (240 mW) for portable applications



**ANALYZER MULTICHANNEL DIGIDART W DIM-296**  
**PART # DigiDart**  
**NSN 6640015412298**



**ANALYZER MULTICHANNEL DIGIDART W DIM-296**  
**PART # DigiDart**  
**NSN 6640015412298**



**DIM (DETECTOR INTERFACE MODULE) 296 WITH CABLE & DIGIDART**



**PHOTOMULTIPLIER BASE SCINTIPACK  
PART # 296  
NSN 6665014636642**

**905-4 NaI Scintillation Detector, 3- x 3-in. crystal, 3-in. tube**

NOTES: Unless otherwise specified.

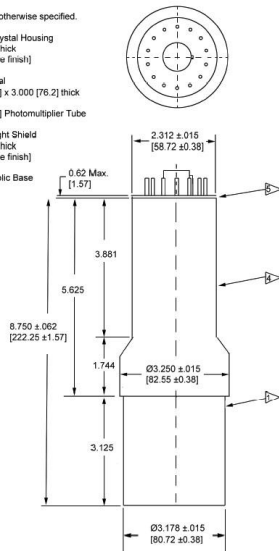
1 Aluminum Crystal Housing  
 .020 [0.508] thick  
 [bright chrome finish]

2 NaI(Tl) Crystal  
 Ø3.000 [76.2] x 3.000 [76.2] thick

3 Ø3.000 [76.2] Photomultiplier Tube

4 MJ-Metal Light Shield  
 .025 [0.535] thick  
 [bright chrome finish]

5 14 Pin Phenolic Base



**PMT DETECTOR LIGHT INTENSITY 3X3" WITH 3" PHOTOMULTIPLIER TUBE**  
**PART # 905-4**  
**NSN 6350014625525**

**905-3 NaI Scintillation Detector, 2- x 2-in. crystal, 2-in. tube**

NOTES: Unless otherwise specified.

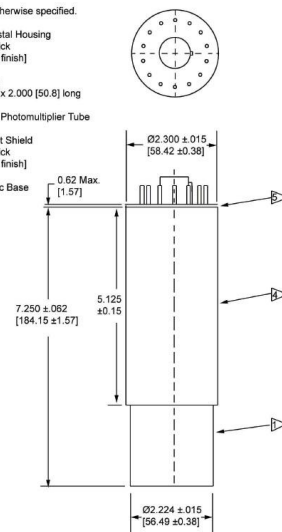
1 Aluminum Crystal Housing  
 .020 [0.508] thick  
 [bright chrome finish]

2 NaI(Tl) Crystal  
 Ø 2.000 [50.8] x 2.000 [50.8] long

3 Ø 2.000 [50.8] Photomultiplier Tube

4 MJ-Metal Light Shield  
 .020 [0.508] thick  
 [bright chrome finish]

5 14 Pin Phenolic Base



**PMT DETECTOR LIGHT INTENSITY 2X2" WITH 2" PHOTOMULTIPLIER TUBE**  
**PART # 905.3**  
**NSN 6350014625527**

**ANALYZER MULTICHANNEL (NEEDS START-UP)**  
**PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>5</b>
	<b>Width (Inches)</b>	<b>3</b>
	<b>Length (Inches)</b>	<b>8</b>
	<b>Cube (Cubic Feet)</b>	<b>0.0694</b>
	<b>Weight</b>	<b>2.5 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>0</b>
	<b>Width (Inches)</b>	<b>0</b>
	<b>Length (Inches)</b>	<b>0</b>
	<b>Cube (Cubic Feet)</b>	<b>0</b>
	<b>Weight</b>	
<b>Storage Temp</b>		
<b>Operating Temp</b>		<b>14 to 140 °F</b>
<b>Storage Humidity</b>		
<b>Operating Humidity</b>		
<b>Amps</b>		
<b>Watts</b>		
<b>Power Requirements</b>	<b>7.2 VDC, Lithium-ion Camcorder Battery, Sony NP-F970, 47.5 watt-hours</b>	
<b>Notes</b>		

**ANALYZER MULTICHANNEL (NEEDS START-UP)**  
**ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Advanced Measureme nt Tech	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015412298		Analyzer Multichannel (Needs Start-up)	DigiDart		1	EA	\$25,357.50	\$25,357.50	N/A
6665014636642		Photomultiplier Base Scintipack	296		1	EA	Incl w/NSN 2298	Incl w/NSN 2298	N/A